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## MongoDB Mock Test

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**Your Score 70.00%****35 of 50 questions are answered correctly**

70%







### Answer Sheet

- Q1) Which mongo shell command lists all databases on the server.

1. ✓ show dbs
2. ✗ show db
3. ✗ show database
4. ✗ show databases

Q2) Which of the following is incorrect statement about find and findOne operations in MongoDB?

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2. ☒  find() and findOne() returns cursors to the collection documents
  3. ☒ findOne() returns the actual first document retrieved from a collection
  4. ☒ find.limit(1) is not the same query as findOne()
- Q3) Which of the following collections are used by MongoDB to store GridFS data?
    1. ☒  fs.files and fs.chunks
    2. ☒ fs.grid and fs.chunks
    3. ☒ fs.parts and fs.files
    4. ☒ fs.chunks and fs.parts
  - Q4) Which serverStatus output, lists details on B-Tree lookups
    1. ☒ rollovers
    2. ☒ asserts
    3. ☒  indexCounters
    4. ☒ mem
  - Q5) How many minimum parameters are needed by mongo shell's update command
    1. ☒ 0.0
    2. ☒ 1.0
    3. ☒  2
    4. ☒ 3.0
  - Q6) What kind of database MongoDB is?
    1. ☒ Graph Oriented
    2. ☒  Document Oriented
    3. ☒ Key Value Pair
    4. ☒ Column Based
  - Q7) In a replica set, a \_\_\_\_\_ number of members ensures that the replica set is always able to select a primary.
    1. ☒  Odd

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- 3. ✘ Depends on the application architecture
- 4. ✘ 2.0
- Q8) What is the maximum size of Index Key Limit and Number of Indexes per collection?
  - 1. ✘ 64 bytes and 1024 indexes
  - 2. ✘ 12 mega bytes and 64 indexes
  - 3. ✔ 1024 bytes and 64 indexes
  - 4. ✘ 1024 bytes and unlimited indexes
- Q9) Which type of node in a replica set does not receive any data for replication
  - 1. ✘ primary
  - 2. ✘ standard
  - 3. ✘ passive
  - 4. ✔ arbiter
- Q10) Which character encoding is used in keys
  - 1. ✘ Unicode
  - 2. ✘ ASCII
  - 3. ✔ UTF-8
  - 4. ✘ UTF-16
- Q11) Which option starts the mongo shell without connecting to database
  - 1. ✘ db
  - 2. ✔ nodb
  - 3. ✘ database
  - 4. ✘ nodatabase
- Q12) Which of the following command can be used to check the size of a collection named posts?
  - 1. ✔ db.posts.stats()
  - 2. ✘ db.posts.findStats()
  - 3. ✘ db.posts.find({stats:1})

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- Q13) Which of the following SQL terminology is same as \$match in MongoDB?
  1. ✗ WHERE
  2. ✗ HAVING
  3. ✓ 👤 Both WHERE and HAVING
  4. ✗ GROUP BY
- Q14) Which command can be used to rebuild the indexes on a collection in MongoDB?
  1. ✗ db.collection.createIndex({reIndex:1})
  2. ✗ db.collection.createIndex({author:1}).reIndex()
  3. ✓ db.collection.reIndex()
  4. ✗ 👤 db.collection.reIndex({author:1})
- Q15) Which of the following commands finds all the documents in the posts collection with post timestamp field as null?
  1. ✓ 👤 db.posts.find( { post\_timestamp : { \$type: 10 } } )
  2. ✗ db.posts.find( { post\_timestamp: { \$type: null } } )
  3. ✗ db.posts.find( { post\_timestamp: { \$fieldtype: 10 } } )
  4. ✗ db.posts.find( { post\_timestamp: { \$fieldtype: null } } )
- Q16) What is the data structure representation given by find function
  1. ✓ 👤 Cursor
  2. ✗ Array
  3. ✗ List
  4. ✗ Map
- Q17) For capped collection, cursors which do not automatically close and remain open after the client exhausts the results are called:
  1. ✗ 👤 Capped Cursors
  2. ✓ Tailable Cursors
  3. ✗ Open Cursors

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- Q18) In our posts collection, which command can be used to find all the posts whose author names begin lie between A and C in dictionary order?
  1. ✓ db.posts.find( { post\_author : { \$gte : "A" , \$lte : "C" } } );
  2. ✗ db.posts.find( { post\_author : { \$gte : "C" , \$lte : "A" } } );
  3. ✗ db.posts.find( { post\_author : { \$gt : "A" , \$lt : "C" } } );
  4. ✗ This type of search is not supported by MongoDB. \$lt and \$gt operators are applicable only for numeric values.
- Q19) Which of the following operations on a single document will operate atomically?
  1. ✗ update
  2. ✗ \$push
  3. ✓ Both a and b
  4. ✗ None of the above
- Q20) Consider a collection posts which has fields: \_id, post\_text, post\_author, post\_timestamp, post\_tags etc. Which of the following query retrieves ONLY the key named post\_text from the first document retrieved?
  1. ✗ db.posts.find({}, {\_id:0, post\_text:1})
  2. ✗ db.posts.findOne({post\_text:1})
  3. ✗ db.posts.findOne({}, {post\_text:1})
  4. ✓ db.posts.findOne({}, {\_id:0, post\_text:1})
- Q21) As per the aggregation pipeline optimization concepts, if you have a \$sort followed by a \$match:
  1. ✓ \$match moves before \$sort
  2. ✗ \$sort moves before \$match
  3. ✗ MongoDB does not do any movements by default and will use the order provided
  4. ✗ Providing these parameters in any order does not impact the performance
- Q22) What is a replica set node which does not maintain its own data but exists only for voting purpose called?
  1. ✗ Secondary

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3. ✘ Delayed

4. ✘ Hidden

• Q23) Which command returns the error status of last operation

1. ✘ getError

2. ✘ getLast

3. ✔ 👤 getLastError

4. ✘ LastError

• Q24) Update If Correct is an approach for which of the following concepts in MongoDB:

1. ✔ 👤 Concurrency Control

2. ✘ Transaction Management

3. ✘ Atomicity

4. ✘ Performance Management

• Q25) Which of the following commands can cause the database to be locked?

1. ✘ Issuing a query

2. ✘ Inserting data

3. ✘ Map-reduce

4. ✔ 👤 All of the above

• Q26) Which type of data structure is used by capped collection

1. ✘ Map

2. ✘ 👤 Tree

3. ✘ Stack

4. ✔ Circular Queue

• Q27) What is the output of the following program?

1. ✔ 👤 60 s

2. ✘ 100 ms

3. ✘ 1 s

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- Q28) What does the 'n' option of explain output signify
  1. ✗ count of document scanned
  2. ✗ count of document in collection
  3. ✗ count of index present
  4. ✓ count of output document
- Q29) Which of the following operators can reverse the effects of a double unwind operation?
  1. ✓ \$push
  2. ✗ \$wind
  3. ✗ \$wind.\$wind
  4. ✗ Can't be reversed.
- Q30) Which option installs MongoDB as a service on Windows
  1. ✓ --install
  2. ✗ --service
  3. ✗ --installService
  4. ✗ --serviceInstall
- Q31) In a collection that contains 100 post documents, what does the following command do?  
**db.posts.find().skip(5).limit(5)**
  1. ✗ Skip and limit nullify each other. Hence returning the first five documents.
  2. ✗ Skips the first five documents and returns the sixth document five times
  3. ✓ Skips the first five documents and returns the next five
  4. ✗ Limits the first five documents and then return them in reverse order
- Q32) What is the default query document for find()
  1. ✗ null
  2. ✗ {null}
  3. ✓ {}
  4. ✗ all

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1. ✘ max key
2. ✘ number
3. ✘ min key
4. ✔ 👤 string

• Q34) Which of the following aggregation query will sort the posts collection with author key ascending:

1. ✔ 👤 db.posts.aggregate([{\$sort:{ author:1 } }])
2. ✘ db.posts.aggregate([{\$sort:{ author:-1 } }])
3. ✘ db.posts.aggregate([author: {\$sort: 1} }])
4. ✘ You need to first use \$group or \$project or \$match command before \$sort in the pipeline

• Q35) Which of the following commands create an unique index on author field of the posts collection?

1. ✔ db.posts.createIndex({"author":1 }, {"unique": true});
2. ✘ db.posts.createIndex({"author": unique });
3. ✘ db.posts.createIndex({"author": { \$unique :1 } });
4. ✘ 👤 db.posts.createIndexUnique({"author":1 });

• Q36) What is the maximum size of a MongoDB document?

1. ✘ 2 MB
2. ✔ 👤 16 MB
3. ✘ 12 MB
4. ✘ There is no maximum size. It depends on the RAM.

• Q37) Which of the following is correct about MongoDB?






1. ✘ MongoDB uses JSON format to represent documents
2. ✘ MongoDB supports collection joins
3. ✘ MongoDB supports some of the SQL functions
4. ✔ 👤 MongoDB supports geospatial indexes

• Q38) Which command is used to get point-in-time data view as backup

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2. ☒  fsync
  3. ☐ dump
  4. ☐ sync
- Q39) Which key is needed for running the shard on localhost
    1. ☐ localhost
    2. ☐  allowLocalhost
    3. ☐ Local
    4. ☒ allowLocal
  - Q40) Which option can be used with update command so that a new document gets created if no matching document is found based on the query condition?
    1. ☒  Specify {upsert : true } as the third parameter of update command
    2. ☐ upsert command instead of update command
    3. ☐ {update: true, insert: true} as the third parameter of update command
    4. ☐ This has to be handled in application code (Node.js, PHP, JAVA, C#, etc.) and cannot be handled in mongo shell query
  - Q41) What is the data structure representation of document in JavaScript
    1. ☐ Hash
    2. ☐ Map
    3. ☒  Object
    4. ☐ Dictionary
  - Q42) In a sharded replicas set environment with multiple mongos servers, which of the following would decide the mongos failover?
    1. ☐ mongo shell
    2. ☐ mongod
    3. ☒ individual language drivers
    4. ☐  mongos
  - Q43) Consider that you are using { upsert : true } option in your update command. Which of the

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1. ✘ nMatched
2. ✘ nInserted
3. ✘ nModified
4. ✔ 👤 nUpserted

• Q44) What is the default listening port of MongoDB

1. ✘ 80.0
2. ✘ 443.0
3. ✔ 👤 27017.0
4. ✘ 8080.0

• Q45) Which of the following is supported by MongoDB?

1. ✘ ACID Transactions
2. ✘ Relationships between Collections (Primary Key Foreign Key)
3. ✔ 👤 Journaling
4. ✘ Transaction Management

• Q46) Which are the ONLY ways to project portions of an array?

1. ✘ 👤 \$elemMatch
2. ✘ \$slice
3. ✘ \$
4. ✔ All of the above

• Q47) In a sharded replica set environment, the w Option provides ability for write concern and j Option provides ability for the data to be written on disk journal. Consider that we have a seven member replica set and we want to assure that the writes are committed to journal as well as acknowledged by at least 3 nodes. What should be the value of w?

1. ✘ 0.0
2. ✘ 1.0
3. ✔ 👤 3.0
4. ✘ 7.0

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1. ✓ system.

2. ✗ \_system

3. ✗ system\_

4. ✗ .system

- Q49) The \_\_\_\_\_ operator can be used to identify an element in the array to be updated without explicitly specifying the position of the element.

1. ✓ \$

2. ✗ \$elemMatch

3. ✗ \$slice

4. ✗ Updating an array field without knowing its index is not possible.

- Q50) We can insert multiple documents in bulk using which of the following operations:

1. ✓  initializeUnorderedBulkOp

2. ✗ initializeBulkOp

3. ✗ initializeBulk

4. ✗ initializeUnorderedBulk

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